

## **Abstract**

**Title:** Somatic characteristics of artistic gymnasts

**Objectives:** Compare somatic characteristics of Czech artistic gymnasts in the age of 9 to 13 with data that are indicated by International gymnastic federation (FIG) based on large global research for talent identification for artistic gymnastic.

**Method:** Data was obtained by mensuration of stature and weight. Complementary information was obtained by non-standardized questionnaires with semi-closed and closed questions that were evaluated by standardized statistic methods.

**Results:** The result of this research are charts and diagrams that denote somatic parameters of artistic gymnasts in the Czech republic compared with data of FIG. The results of the survey that is focused on training will be also shown.

**Keywords:** women's artistic gymnastic, somatotype, talent identification